

## Product datasheet for **RC237743**

### **C2orf65 (M1AP) (NM\_001281295) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C2orf65 (M1AP) (NM\_001281295) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** M1AP  
**Synonyms:** C2orf65; D6Mm5e; SPATA37; SPGF48  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC237743 representing NM\_001281295  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCATCTGGGCGAACTACTGGTAAAGGGCCCTCTACTCACACTCAGATTGACCAGCAACCTCCACGGC  
TTCTCATTGTGCACATTGCTCTACCGTCTGGGCTGACATCTGCACCAACCTCTGTGAGGCTCTGCAGAA  
CTTCTTCTCTAGCCTGCAGCTTGATGGGCCAGCCGATGTCCTGTTCAGTTTATACATGGTACAA  
GATCAGCATGAGTGCATCCTCCCTTTGTGCAAGTGAAAGGGAACCTTGTAGGTTGCAGACCTGCATCT  
CAGAACTCCGCATGTTACAGAGAGAAGGGTGTTCAGATCACAAGGTGCTTCTCTGCGGCTGGCAGTAGA  
GGATGGGCTCCAGCAATCAAACAATACAGCAGACATGTGACCACAAGGGCAGCTCTGACCTATACCTCC  
CTGGAGATTACTATTCTGACTTCTCAGCCTGAAAAGAGGTGGTCAAACAGTTGGAGGAAGGGTTGAAAG  
ATACAGACCTAGCCAGAGTCAGGAGTTTCAGGTGCTTGGAGTCAAAAGGGAATCCTAGAGCACGTGGA  
CTCAGCGTCTCCTGTTGAGGATACCAGCAATGATGAGAGTTCTATTCTGGGAAGTACATTGACCTTCAG  
ACTATAGACAATGATATCGTCAGCATGGAGATTTCTTCAAAGCCTGGCTACATAACAGTGGAACAGACC  
AAGAACAATCCATCTTCTTTCTTTCACAGTGTTCAGCAACATTTCCAGACCCAGAGATAATCCAAT  
GTGCTGAAATGTGATCTCCAAGAGCGACTGCTGCCCCATCCCTACTCGCTGGCACAGCTGACGGCTCC  
TTGAGAATGGATGACCTAAAGGAGACTTCATCACACTCTACCAGATGGCTTCCCAGTCATCGGCCCTCTC  
ATTACAAGCTCCAAGTATCAAGGCTTTAAAATCTAGCGGGCTCTGCGAGTCATTGACATATGGACTCCC  
GTTTCATCCTCAGACCTACAAGCTGTTGGCAGCTGGACTGGGATGAGCTGGAGACAAATCAGCAACATTTCC  
CATGCTTTGTGTACAGCCTGCTGGTGAGTACCCATGTCCCCAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237743 representing NM\_001281295  
Red=Cloning site Green=Tags(s)

MHPGRTTGKGPSTHTQIDQQPPRLIIVHIALPSWADICTNLCEALQNFFSLACSLMGPSRMSLFSLYMQ  
 DQHECILPFVQVKGNFARLQTCISELRMLQREGCFRSQASLRLAVEDGLQQFKQYSRHVTTRAALTYTS  
 LEITILTSQPGKEVVVKQLEEGLKDTDLARVRRFQVVEVTKGILEHVSASPVEDTSNDESSILGTDIDLQ  
 TIDNDIVSMEIFFKAWLHNSGTDQEIQIHLSSQCFSNISRPRDNPMLCKCDLQERLLCPSLLAGTADGS  
 LRMDDPKGFITLYQMASQSSASHYKLQVIKALKSSGLCESLTYGLPFILRPTSCWQLDWELETNQHF  
 HALCHSLLVSTHVPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

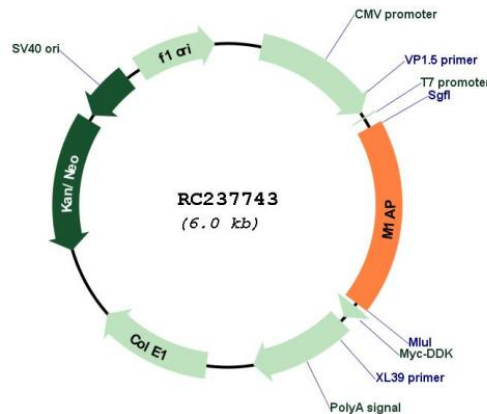
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001281295

<b>ORF Size:</b>	1095 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001281295.2</a>
<b>RefSeq Size:</b>	1394 bp
<b>RefSeq ORF:</b>	1098 bp
<b>Locus ID:</b>	130951
<b>UniProt ID:</b>	<a href="#">Q8TC57</a>
<b>Cytogenetics:</b>	2p13.1
<b>MW:</b>	41.4 kDa
<b>Gene Summary:</b>	This gene encodes a protein that is likely to function in progression of meiosis. A similar protein in mouse plays a role in gametogenesis in both sexes. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]